Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101321\
Data File : VU045313.D
Acq On : 13 Oct 2021 17:31
Operator : SY/MD
Sample : M4068-07 0.8PPB
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Manual Integrations APPROVED
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10/14/2021 2:36:53 PM

Quant Time: Oct 14 05:54:45 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101321DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Thu Oct 14 05:46:27 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.118	96	40911	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.635	95	13921	0.927	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
68) 1,2-Dichlorobenzene-d4	12.198	152	13131	0.934	ug/l	0.00
Spiked Amount 1.000			Recovery =	93.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	12729	0.814	ug/l	96
3) Chloromethane	1.520	50	14081	0.864	ug/l	99
4) Vinyl Chloride	1.604	62	14125	0.836	ug/l	97
5) Bromomethane	1.858	94	8312	0.897	ug/l	98
6) Chloroethane	1.935	64	9496	0.867	ug/l	100
7) Trichlorofluoromethane	2.141	101	16461	0.836	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.581	101	9217	0.810	ug/l	97
9) 1,1-Dichloroethene	2.584	96	8573	0.806	ug/l	96
10) Iodomethane	2.726	142	8346	0.750	ug/l	99
11) Allyl Chloride	2.928	41	13113	0.840	ug/l	99
12) Acrylonitrile	3.337	53	4593m	1.693	ug/l	
13) Acetone	2.645	43	16454m	5.085	ug/l	
14) Carbon Disulfide	2.793	76	26598	0.820	ug/l	100
15) Methylene Chloride	3.051	84	16278	1.264	ug/l	100
16) trans-1,2-Dichloroethene	3.356	96	9222	0.807	ug/l	99
17) 1,1-Dichloroethane	3.877	63	18187	0.848	ug/l	99
18) 2-Butanone	4.722	43	15770	3.832	ug/l	99
19) Cyclohexane	5.391	56	15799m	0.796	ug/l	
20) Methylcyclohexane	6.767	83	14926	0.756	ug/l	95
21) 2,2-Dichloropropane	4.671	77	15305	0.840	ug/l	99
22) cis-1,2-Dichloroethene	4.674	96	10548	0.839	ug/l	98
23) Diethyl Ether	2.382	59	8187	0.813	ug/l	94
24) tert-Butyl Alcohol	3.218	59	6531m	8.274	ug/l	
25) Methyl tert-Butyl Ether	3.375	73	24198	0.814	ug/l	97
26) Bromochloromethane	4.983	128	4353	0.810	ug/l	93
27) Chloroform	5.092	83	19402	0.884	ug/l	96
28) 1,1,1-Trichloroethane	5.321	97	14845	0.825	ug/l	97
29) 1,1-Dichloropropene	5.530	75	13425	0.816	ug/l	99
30) Carbon Tetrachloride	5.530	117	11149	0.800	ug/l	94
31) Isopropyl Ether	4.002	45	28069	0.827	ug/l	96
32) Ethyl-t-butyl ether	4.510	59	28383	0.830	ug/l	97
33) Tert-Amyl methyl ether	5.948	73	24496	0.809	ug/l	99
34) Propionitrile	4.800	54	4548m	4.442	ug/l	
35) Benzene	5.780	78	39877	0.839	ug/l	99
36) 1,2-Dichloroethane	5.803	62	13014	0.858	ug/l	95
37) Trichloroethene	6.546	130	9728	0.842	ug/l	94
38) 1,2-Dichloropropane	6.796	63	10420	0.845	ug/l	96
39) Methacrylonitrile	4.983	41	3436	0.847	ug/l	92
40) Methyl acrylate	4.861	55	5407	0.800	ug/l #	91
41) Tetrahydrofuran	5.073	42	3502	1.510	ug/l	93
42) 1-Chlorobutane	5.465	56	19415	0.822	ug/l	98
43) Dibromomethane	6.925	93	5123	0.837	ug/l	98
44) Bromodichloromethane	7.111	83	12809	0.839	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) 4-Methyl-2-Pentanone	7.800	43	33223	3.976	ug/l		99
46) t-1,4-Dichloro-2-butene	10.838	75	4584m	1.558	ug/l		
47) Methyl methacrylate	6.967	69	9719	1.566	ug/l		98
48) Ethyl methacrylate	8.343	69	8804	0.718	ug/l		93
49) Toluene	7.973	92	23575	0.806	ug/l		99
50) t-1,3-Dichloropropene	8.214	75	11656	0.780	ug/l		96
51) cis-1,3-Dichloropropene	7.613	75	13485	0.772	ug/l		97
52) 1,1,2-Trichloroethane	8.404	97	7165	0.812	ug/l		95
53) 1,3-Dichloropropane	8.581	76	14019	0.853	ug/l		98
54) 2-Hexanone	8.693	43	26343	4.080	ug/l		99
55) Dibromochloromethane	8.816	129	7323	0.790	ug/l		98
56) 1,2-Dibromoethane	8.928	107	6825	0.822	ug/l		98
58) Tetrachloroethene	8.555	164	8931	0.857	ug/l		98
59) Chlorobenzene	9.452	112	24374	0.805	ug/l		98
60) 1,1,1,2-Tetrachloroethane	9.539	131	8075	0.801	ug/l		99
61) Pentachloroethane	11.433	117	5991	0.817	ug/l		98
62) Hexachloroethane	12.478	117	6052	0.785	ug/l		90
63) Ethyl Benzene	9.574	91	42200	0.775	ug/l		97
64) m/p-Xylenes	9.697	106	31535	1.526	ug/l		98
65) o-Xylene	10.105	106	15532	0.769	ug/l		99
66) Styrene	10.118	104	24685	0.748	ug/l		99
67) Bromoform	10.295	173	3570	0.736	ug/l	#	95
69) Isopropylbenzene	10.488	105	40412	0.762	ug/l		100
70) 1,1,2,2-Tetrachloroethane	10.787	83	9342	0.824	ug/l		97
71) 1,2,3-Trichloropropane	10.832	75	8789m	0.941	ug/l		
72) Bromobenzene	10.787	156	9478	0.809	ug/l		99
73) n-propylbenzene	10.909	120	10536	0.760	ug/l		96
74) 2-Chlorotoluene	10.989	126	9123	0.762	ug/l		94
75) 1,3,5-Trimethylbenzene	11.092	105	32879	0.744	ug/l		99
76) 4-Chlorotoluene	11.102	126	9478	0.774	ug/l		99
77) tert-Butylbenzene	11.423	119	32063	0.747	ug/l		98
78) 1,2,4-Trimethylbenzene	11.471	105	33841	0.750	ug/l		98
79) sec-Butylbenzene	11.648	105	44246	0.748	ug/l		99
80) Nitrobenzene	13.214	77	1024	3.172	ug/l	#	79
81) p-Isopropyltoluene	11.796	119	33318	0.702	ug/l		99
82) 1,3-Dichlorobenzene	11.751	146	18366	0.785	ug/l		98
83) 1,4-Dichlorobenzene	11.841	146	18331	0.793	ug/l		99
84) n-Butylbenzene	12.214	91	30780	0.681	ug/l		98
85) 1,2-Dichlorobenzene	12.217	146	18104	0.815	ug/l		99
86) 1,2-Dibromo-3-Chloropr...	13.002	75	1366	0.725	ug/l		95
87) 1,2,4-Trichlorobenzene	13.844	180	9702	0.709	ug/l		99
88) Hexachlorobutadiene	14.024	225	4842	0.756	ug/l		97
89) Naphthalene	14.092	128	17074	0.635	ug/l		98
90) 1,2,3-Trichlorobenzene	14.333	180	8800	0.692	ug/l		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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